

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"20070274636"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L2	159	((((sometimes or often or also or frequently or commonly or once or typically or usually or regularly or generally or better) near1 (call\$3 or refer \$4 or known or dubbed)) or (synonymous or synonym or ((equivalent or similar or alternat\$3) near2 (word or concept or term)))) near10 (opto\$1electronic or opto electronic)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L3	7742	(opto\$1electronic or opto electronic).ti,clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L4	935	(opto\$1electronic or opto electronic) module	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L5	8	("5040868" or "4695871" or "5153734" or "6627872" or "4168102" or "5920120").pn. or "20030185526"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L6	1	DE-10023353-A\$	DERWENT	ADJ	ON	2009/03/01 14:47
L7	1	DE-3331451-C\$	DERWENT	ADJ	ON	2009/03/01 14:47
L8	1	JP-03218670-A\$	DERWENT	ADJ	ON	2009/03/01 14:47
L9	1	EP-1022787-A\$	DERWENT	ADJ	ON	2009/03/01 14:47
L10	1	JP-61214566-A\$	DERWENT	ADJ	ON	2009/03/01 14:47
L11	1	JP-10222080-A\$	DERWENT	ADJ	ON	2009/03/01 14:47
L12	1149	(Optic\$2 or (electro optic\$2) or electrooptic\$2 or (opto electronic) or optoelectronic) same (irradiat\$3 or bombard \$5 or blast\$3 or launch\$3 or strik\$3 or (fire or firing) adj upon or radiat\$3 or ((expos \$3 or illuminat\$3 or luminat \$3) near4 (radiation or electromagnetic or EM or radio) adj (waves or frequencies))) same (press or pressing or pressed or pressure or pression or	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47

		compress\$3 or push\$3 or squeez\$3 or squish\$3 or squash\$3 or smash\$3) same (separat\$4 or split\$4 or apart or divid\$4 or distan\$4) same (leadframe or lead frame or substrate or metal frame\$4 or PCB or protocol circuit board or carrier or wafer)				
L13	186004	(Optic\$2 or (electro optic\$2) or electrooptic\$2 or (opto electronic) or optoelectronic) and (irradiat\$3 or bombard\$5 or blast\$3 or launch\$3 or strik \$3 or (fire or firing) adj upon or radiat\$3 or ((expos\$3 or illuminat\$3 or luminat\$3) near4 (radiation or electromagnetic or EM or radio) adj (waves or frequencies))) and (press or pressing or pressed or pressure or pression or compress\$3 or push\$3 or squeez\$3 or squish\$3 or squash\$3 or smash\$3) and (separat\$4 or split\$4 or apart or divid\$4 or distan\$4) and (leadframe or lead frame or substrate or metal frame\$4 or PCB or protocol circuit board or carrier or wafer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L14	38	(Optic\$2 or (electro optic\$2) or electrooptic\$2 or (opto electronic) or optoelectronic) with (irradiat\$3 or bombard \$5 or blast\$3 or launch\$3 or striks\$3 or (fire or firing) adj upon or radiat\$3 or ((expos \$3 or illuminat\$3 or luminat \$3) near4 (radiation or electromagnetic or EM or radio) adj (waves or frequencies))) with (press or pressing or pressed or pressure or compress\$3 or push\$3 or squeez\$3 or squish \$3 or squash\$3 or smash\$3) with (separat\$4 or split\$4 or apart or divid\$4 or distan\$4) with (leadframe or lead frame or substrate or metal frame \$4 or PCB or protocol circuit board or carrier or wafer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47

L15	3277	L13 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L16	23	L12 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L17	2	L14 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L18	186004	(Optic\$2 or (electro optic\$2) or electrooptic\$2 or (opto electronic) or optoelectronic) and (irradiat\$3 or bombard\$5 or blast\$3 or launch\$3 or strik\$3 or (fire or firing) adj upon or radiat\$3 or ((expos\$3 or illuminat\$3 or luminat\$3) near4 (radiation or electromagnetic or EM or radio) adj (waves or frequencies))) and (press or pressing or pressed or pressure or pression or compress\$3 or push\$3 or squeez\$3 or squish\$3 or squash\$3 or smash\$3) and (separat\$4 or split\$4 or apart or divid\$4 or distan\$4) and (leadframe or lead frame or substrate or metal frame\$4 or PCB or protocol circuit board or carrier or wafer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L19	3277	L18 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L20	39	L19 and (blumel or simon).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L21	63	L19 and (osram or opto or gmbh).as.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L22	2036	L19 and (emit or emitting or emitter or transmit or transmitter or transmitting or receiver or receiving or received or detect or detecting or detected).clm, ab.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47

L23	3277	L18 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L24	1	DE-10129785\$18-A\$	EPO; JPO; DERWENT	ADJ	ON	2009/03/01 14:47
L25	2	WO-03001253-a\$	EPO; JPO; DERWENT	ADJ	ON	2009/03/01 14:47
L26	1	US-5513289-A\$	EPO; JPO; DERWENT	ADJ	ON	2009/03/01 14:47
L27	2	jp-05145121-A\$	EPO; JPO; DERWENT	ADJ	ON	2009/03/01 14:47
L28	1	WO-0024062-a\$	EPO; JPO; DERWENT	ADJ	ON	2009/03/01 14:47
L29	2	JP-62196878-A\$	EPO; JPO; DERWENT	ADJ	ON	2009/03/01 14:47
L30	1	us-4843280-A\$	EPO; JPO; DERWENT	ADJ	ON	2009/03/01 14:47
L31	1	"6746295".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L32	1	"20030211804"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L33	7	"10/007398"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L34	1	"20020057057"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L35	10	("3875456"   "5043716"   "5847507"   "6155699").PN. OR ("6746295").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L36	4	("2002/0057057").URPN.	USPAT	ADJ	ON	2009/03/01 14:47
L37	2	"3875456".pn. or "5847507".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L38	11	EP "0" "230" "336"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L39	1	"6610563".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L40	47	("4727457"   "5040868"   "5331512"   "5545359"   "5614131"   "5686172"   "6052500"   "6103398"   "6440877").PN. OR ("6610563").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L41	4	"09"\$1"581"\$1"585"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47

L42	186004	(Optic\$2 or (electro optic\$2) or electrooptic\$2 or (opto electronic) or optoelectronic) and (irradiat\$3 or bombard\$5 or blast\$3 or launch\$3 or strik\$3 or (fire or firing) adj upon or radiat\$3 or ((expos\$3 or illuminat\$3 or luminat\$3) near4 (radiation or electromagnetic or EM or radio) adj (waves or frequencies))) and (press or pressing or pressed or pressure or pression or compress\$3 or push\$3 or squeez\$3 or squish\$3 or squash\$3 or smash\$3) and (separat\$4 or split\$4 or apart or divid\$4 or distan\$4) and (leadframe or lead frame or substrate or metal frame\$4 or PCB or protocol circuit board or carrier or wafer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L43	3277	L42 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L44	1666	L43 and (press or pressed or pressing or compress or compressed or compressing or squeezed or squeezing or squeezed)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L45	194	L44 and screw	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L46	1	"6130448".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L47	82	("4888634"   "4902108"   "5051802"   "5148306"   "5149958"   "5302818"   "5693967"   "5814870"   "5821615"   "5861654"   "5867368"   "5869855"   "5998862").PN. OR ("6130448").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L48	1	(radiation near2 area) near10 (deposit\$3 or form\$3 or coat\$3) near10 (leadframe or lead frame or substrate or metal frame\$4 or PCB or protocol circuit board or carrier or wafer) near10 surface near10 (protect\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47

L49	31746	(deposit\$3 or form\$3 or coat \$3) with (leadframe or lead frame or substrate or metal frame\$4 or PCB or protocol circuit board or carrier or wafer) with surface with (protect\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L50	605	L49 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L51	6488	(deposit\$3 or form\$3 or coat \$3) with (leadframe or lead frame or substrate or metal frame\$4 or PCB or protocol circuit board or carrier or wafer) with surface with (protect\$3) with ((radiation near2 area) or device or (led or leds or l adj e adj d or electroluminescen\$4 or electro adj luminescen\$4 or "l.e.d" or (emitter or emitting) near light) or sensor or (IC or integrated circuit or micro \$1processor or micro\$1chip or semi\$1conductor die or inner lead or micro\$circuit or chip or random access memory or RAM or ASIC or Application specific integrated circuit or analog circuit or digital circuit or micro \$controller or (pin or ball) grid array or PGA or BGA or FC\$1PGA or leadless cheap carrier or LOC or flip chip or flip\$1chip or fli\$1chips or controlled collapse chip connection or C4 or Direct Chip Attach or DCA))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L52	283	L51 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
L53	1430	L51 and protect\$3 near (leadframe or lead frame or substrate or metal frame\$4 or PCB or protocol circuit board or carrier or wafer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47

L54	70	L53 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/01 14:47
-----	----	--	---------------------------	-----	----	---------------------

3/ 1/ 2009 4:38:01 PM

C:\Documents and Settings\psene\My Documents\EAST\Workspaces\10585175Blumel.wsp